

PATENT SPECIFICATION

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DRAWINGS ATTACHED

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(54) IMPROVEMENTS IN OR RELATING TO LID SCOOPS

- (71) I, WILLIAM DEFRANK, of 34, Windsor Street, Rochester, New York, United States of America, a citizen of the United States of America, do hereby declare the invention, for which I pray that a patent may be granted to me, and the method by which it is to be performed, to be particularly described in and by the following statement:—
- 10 This invention relates generally to lids for use as scoop and measuring devices and more particularly to lids for use as measuring devices for canned and packaged goods.
- 15 According to the invention, a lid for closing an opening of a container comprises a resiliently flexible body portion including securing means for securing the lid in closure relationship with the container, and a scoop portion integral with the body portion and extending partially around the periphery of the lid, the lid being deformable whereby the scoop portion and the body portion cooperate to form a volumetric scoop arranged to be received in the opening, the scoop portion defining with the body portion an angle of less than 180° when the lid is so deformed.
- 25 The lid, which comes with the container, serves when deformed, to scoop out and measure the amount of coffee, etcetera, needed, thus eliminating the need for a conventional scoop or measuring device which is used at the present time and is impractical to use because part of the contents of the container needs to be consumed before a conventional
- 30 scoop can be placed therewithin.
- The invention will be better understood from the following description of an embodiment thereof, taken in connection with the accompanying drawings, in which:
- 40 Figure 1 is a side view of a sealed container with the resilient scoop lid in place.
- Fig. 2 is a side view of the resilient scoop lid showing shape and firm grip side flanges;
- Fig. 3 is a bottom view of the resilient

scoop lid showing indicia and side grip flanges;

Fig. 4 shows the resilient lid when deformed into a scoop to be inserted into the container; and

Fig. 5 is a front view of the resilient scoop lid in use as a container cover.

In Fig. 1 and 2, there is illustrated a suitable container 1, as for example a coffee can, with a resilient lid generally indicated by the numeral 2. Such reclosure lids for coffee cans and the like are in wide commercial use and well-known in the art.

As is well-known in the art, the lid 2 is made of a resilient flexible material, preferably polyethylene, and is of a circular configuration as viewed from the top or bottom and is adapted to overlie a cylindrical container 2 of circular cross-section.

As is well-known in reclosure lids of this nature, the resilient lid 2 is formed with a flexible top or body portion and circular construction 2a and having an integral flexible peripheral lip or side flange 4 for gripping the upper bead of the can or container 1. The side flange 4 extends circumferentially around the outer edge of the circular body portion 2a; preferably, the flange 4 has an endless groove (not shown) for firmly gripping the upper can bead (not shown but similar to bottom bead 5) formed at the top of the container. In this manner, the lid is securely held onto the container, all of which is well-known in the art.

The lid has a downwardly depending enlarged or scoop portion 3 being integral with both the body portion 2a and side flange 4 forming an extension of the flexible lid 2.

The depending scoop portion 3 extends at approximately 90° to the upper surface of the lid 2 and is adapted to overlie a portion of the side wall of the container as illustrated in Figs. 1 and 5.

In Fig. 4, the principal concept of the

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invention has been shown by illustrating the lid 2 being deformed into a scoop configuration suitable to be inserted into the container 1, for scooping, measuring and removing whatever granular or other contents there might be therein as for instance, coffee. On the internal surface of body portion 2a of lid 2 are printed indicia indicated by the double arrow 6, which indicia stand for 1 tablespoon and 1/2 tablespoon respectively. Coactive with the internal printed indicia on the body portion 2a are indicia on the flexible scoop portion 3, indicated by the double arrow 7 comprising the lower edge or rim of the flexible scoop 3 which coactive with the line designated by the 1 on body portion 2a is indicative of one tablespoon volumetric measure therebetween when the lid 2 is deformed into the shape shown in Fig. 4. The "1/2" and line indicia on the scoop portion 3 and on the body portion 2a coactively define therebetween a one-half tablespoon volumetric measure when the body portion 2a is thus deformed. It will be understood that upon flexure and deformation to the Fig. 4 position, the body portion 2a, will be curved to define a volume with the scoop portion 3, which is flexed outwardly by pressure applied by the thumb 8 and forefinger 9, compressing the side flanges 4 inwardly, and the angle defined by the body portion 2a and the scoop portion 3 will increase from approximately 90° to a value somewhat less than 180°. There is thus provided a method of removing contents from a container comprising the steps of deforming a flexure closure lid 2 adapted for closure of the container 1 into a shape defining a scoop adapted to be received within the opening of the container 1, thereafter inserting the deformed lid into the container 1 through the opening thereof, scooping a selected volumetric quantity of the contents of the container into the deformed lid and thereafter removing the deformed lid and contents.

While there has been shown and described the preferred form of the invention, it will be apparent that various modifications and changes may be made therein, particularly in

the form and relation of parts, without departing from the scope of the invention as set forth in the appended claims.

WHAT I CLAIM IS:—

1. A lid for closing an opening of a container, the lid comprising a resiliently flexible body portion including securing means for securing the lid in closure relationship with the container, and a scoop portion integral with the body portion and extending partially around the periphery of the lid, the lid being deformable whereby the scoop portion and the body portion cooperate to form a volumetric scoop arranged to be received in the opening, the scoop portion defining with the body portion an angle of less than 180° when the lid is so deformed.
2. A lid as claimed in claim 1, in which the securing means comprises a peripheral side flange integral with the body portion.
3. A lid as claimed in claim 2, in which the body portion is circular and the side flange is arranged to embrace the outside of the container.
4. A lid as claimed in claim 2 or 3, in which the scoop portion is arranged to extend outside of the container when the lid is fitted thereto.
5. A lid as claimed in claim 2, 3 or 4, in which the scoop portion is an integral extension of the side flange.
6. A lid as claimed in any preceding claim, having indicia on the scoop portion and on the body portion which cooperate when the lid is in use as a scoop to define a plurality of predetermined volumetric measures.
7. A lid for closing an opening of a container, substantially as herein described with reference to the accompanying drawing.
8. A container provided with a lid as claimed in any preceding claim.

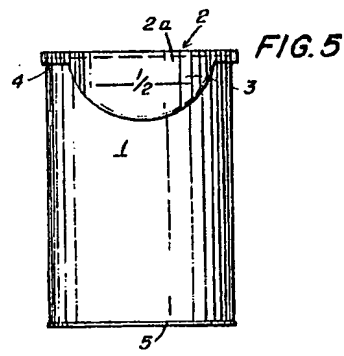
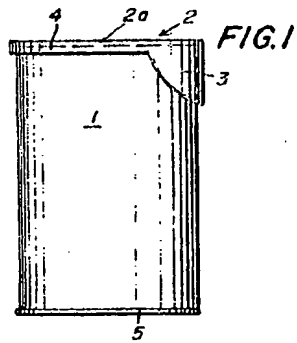
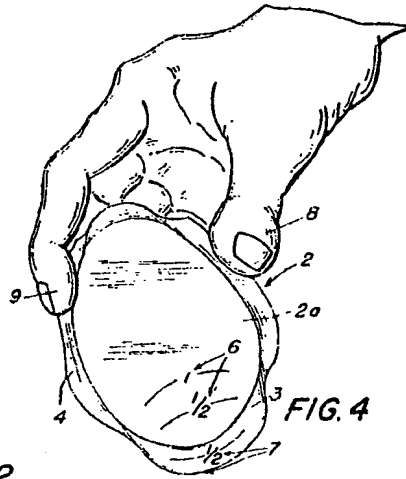
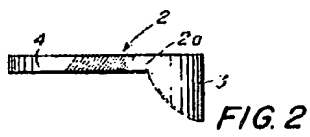
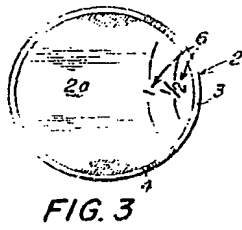
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COMPLETE SPECIFICATION

1 SHEET

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